

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/007917

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/18 G01N33/74 A01K67/027 C12N15/09 A61P3/04  
A61P3/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/20869 A (RAULAI DANIEL ; SOUTTOU BOUSSAD (FR); VIGNY MARC (FR); UNIV GEORGETOWN) 13 April 2000 (2000-04-13) claims -----	1,2, 12-20, 25-30,39
X	WO 99/53943 A (ANGIOGENIX INC ; COLLEY KENNETH J (US)) 28 October 1999 (1999-10-28) cited in the application claims 1,7,9,42 -----	1-9, 12-19, 31-33,39
X	WO 01/96394 A (WELLSTEIN ANTON ; UNIV GEORGETOWN MED CENTER (US)) 20 December 2001 (2001-12-20) claims 1,4,10,18,20,30,31,47,50,60 ----- -/-	1-10, 12-18, 25-27,39

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

26/11/2004

Name and mailing address of the ISA

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Deck, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/22176 A (GENVEC INC) 21 March 2002 (2002-03-21) claims 1,2,22	1-9, 12-18, 39
A	DEUEL THOMAS F ET AL: "Pleiotrophin: A cytokine with diverse functions and a novel signaling pathway" ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol. 397, no. 2, 15 January 2002 (2002-01-15), pages 162-171, XP002304709 ISSN: 0003-9861 cited in the application	
A	ZHANG N ET AL: "Pleiotrophin and midkine, a family of mitogenic and angiogenic heparin-binding growth and differentiation factors" CURRENT OPINION IN HEMATOLOGY, RAPID SCIENCE PUBLISHERS, PHILADELPHIA, PA, US, vol. 6, no. 1, January 1999 (1999-01), pages 44-50, XP002122375 ISSN: 1065-6251 cited in the application	

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/007917

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0020869	A	13-04-2000	CA 2346406 A1 EP 1121598 A1 JP 2002526777 T WO 0020869 A1	13-04-2000 08-08-2001 20-08-2002 13-04-2000
WO 9953943	A	28-10-1999	AU 760664 B2 AU 3495599 A BR 9909717 A CA 2329010 A1 CN 1379681 T EP 1071445 A2 JP 2002512200 T NO 20005190 A WO 9953943 A2 US 2003185794 A1 US 2003202960 A1	22-05-2003 08-11-1999 26-12-2000 28-10-1999 13-11-2002 31-01-2001 23-04-2002 30-11-2000 28-10-1999 02-10-2003 30-10-2003
WO 0196394	A	20-12-2001	AU 6687601 A CA 2412650 A1 EP 1305337 A2 WO 0196394 A2 US 2002034768 A1	24-12-2001 20-12-2001 02-05-2003 20-12-2001 21-03-2002
WO 0222176	A	21-03-2002	AU 9101901 A WO 0222176 A1 US 2003053989 A1	26-03-2002 21-03-2002 20-03-2003

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International application No.

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Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☒

In written format

☒

In computer readable form

c. time of filing/furnishing

☐

contained in the international application as filed

☐

filed together with the international application in computer readable form

☒

furnished subsequently to this Authority for the purpose of search

2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 36, 37 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.